

# Richmond Refinery LPS Alert – Safety Driving on Refinery Roads



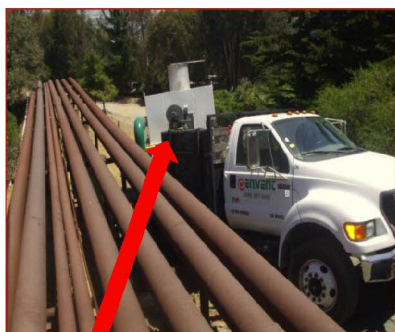
Impact ERM: 39919,  
39948, 39945

**Location:**  
Blending & Shipping

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Concrete pump truck under the  
pipe way at Ethyl Road



Truck towing a 12-ton  
degassing equipment trailer  
leaning on #12 Mogas line

**Always remember to do  
your LPSA – because  
we care about you!**

## Incident Description:

On June 18<sup>th</sup>, three (3) separate MVC's occurred in Blending and Shipping. Nobody was injured and there was only minimal damage to the facility. However, the potential for a more significant incident was present in all three cases.

The 1<sup>st</sup> incident occurred on Ethyl Road when a concrete pump truck hit an overhead pipe way with a vertical clearance of 12'8". There was an apparent lack of recognition on the risk associated with the overhead clearance on Ethyl Road.

The 2<sup>nd</sup> MVC occurred when a truck was towing a 12-ton thermal oxidizer near T1686. The truck lost traction, skidded back 15 ft, causing the truck and the trailer to jackknife and the wooden section of the truck bed to land on the #12 Mogas line, which caused the pipe to move by about 5". The Refinery Transport Department (RTD) and Plant Protection immediately responded. JJSV was conducted and mitigations were put in place to safely remove the truck and trailer.

The 3<sup>rd</sup> incident happened at Bridge # 201 near the decommissioned Asphalt Plant. Two heavy equipment vehicles passed over the bridge and as the 3<sup>rd</sup> vehicle (a pick-up truck) was passing over, one of the grating panels kicked up. Further inspection showed that the grating was inadequately secured.

## Immediate Actions Taken:

1. Both product lines involved were immediately inspected and results showed no damage so no repair activity was necessary.
2. The overhead chains on Ethyl Road were restored and a more visible caution sign was installed to provide the low clearance warning.
3. The grating was properly fastened using designed hardware.
4. A safety stand-down meeting was conducted in Blending & Shipping to share the 3-MVCs.

## Always:

1. Maintain a sense of vulnerability even when conducting daily tasks such as operating a vehicle or heavy equipment.
2. Involve the right people by getting the input of RTD when mobilizing heavy equipment in the Tank Field.
3. Always pre-plan your route thru the tank field and conduct your LPSA.

## LOSS PREVENTION SELF-ASSESSMENT

BEFORE BEGINNING ANY ACTIVITY/TASK/JOB, AFTER A LOSS  
OR NEAR LOSS, ANY UNUSUAL CIRCUMSTANCES:



### ASSESS the risk!

What could go wrong?  
What is the worst thing that could happen if something does go wrong?

### ANALYZE how to reduce the risk!

Do I have all the necessary Training and Knowledge to do this job properly?  
Do I have all the proper Tools and Personal Protective Equipment?

### ACT to ensure loss-free operations!

Take necessary Action to ensure the job is done properly!  
Follow written procedures! Ask for assistance, if needed!

**DO NOT PROCEED UNLESS ALL RISKS HAVE BEEN ADDRESSED!**

**For Everyone • Every Day • All the Time**

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